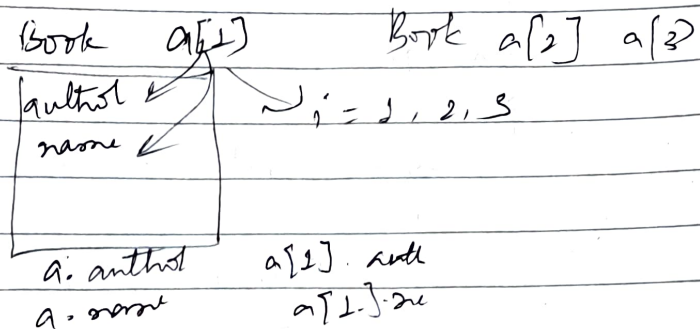


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3. Create a class Book which contains four members: name, author, price, num_pages. Include a constructor to set the values for the members. Include methods to set & get the details of the objects. Include a toString() method that could display the complete details of the book. Develop a Java pgm to create n book objects.

Pgm:

```
import java.util.Scanner;
class Books
{
```

```
    String name;
```

```
    String author;
```

```
    int price;
```

```
    int num_pages;
```

```
    Books (String name, String author,
           int price, int num_pages)
```

```
    {
```

```
        this.name = name;
```

```
        this.author = author;
```

```
        this.price = price;
```

```
        this.num_pages = num_pages;
```

```
    }
```

```
public String toString()
{
```

```
String name, author, price, num_pages;
name = "Book name: " + this.name + "\n";
price = "Price: " + this.price + "\n";
num_pages = "Number of pages: " + this.num_pages + "\n";
return name + author + price + num_pages;
}
```

```
}
```

```
class Main
```

```
{
```

```
public static void main(String args[])
{
```

```
Scanner s = new Scanner(System.in);
```

```
int n;
```

```
String name;
```

```
String author;
```

```
int price;
```

```
int num_pages;
```

```
System.out.println("Enter the no. of books: ");
```

```
n = s.nextInt();
```

```
Books[] b = new Books[n];
```

```
System.out.println("Enter details of " + n + " books: ");
```

```
for (int i = 0; i < n; i++)
{
```

```
System.out.println("Enter the name of book " + (i+1) + ": ");
```

```
name = s.next();
```

```
System.out.println("Enter author of book " + (i+1) + ": ");
```

```

    author = s.next();
    System.out.println("Enter
    the price of book "+(i+1)+" :");
    price = s.nextInt();
    System.out.println("Enter
    no. of pages of book "+(i+1)+"
    :");
    num_pages = s.nextInt();
    b[i] = new Books(name,
    author, price, num_pages);
}
System.out.println("Details of "+n+"
books :");
for (int i=0; i<n; i++)
{
    System.out.println(b[i].toString
    ());
}
}
}

```

OUTPUT:

Enter the no. of books

3

Enter details of 3 books :

Enter the name of book 1:

C

Enter the author of book 1:

Balaguruswamy

Enter the price of book 1:

100

Enter the no. of pages of book 1:

200

Enter the name of ~~book~~ book 2:

C++

Enter the author of book 2:

PReddy

Enter the price of book 2:

200

Enter the no. of pages of book 2:

200

Enter the name of book 3:

Java

Enter the author of book 3:

Swamy

Enter the price of book 3:

300

Enter the no. of pages of book 3:

350

Details of 3 books:

Book name: C

Author name: Balaguruswamy

Price: 100

Number of pages: 200

Book name: C++

Author name: PReddy

Price: 200

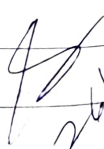
Number of pages: 200

Book name: Java

Author name: Swamy

Price: 300

Number of pages: 350

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